SI.N	.State	Fixed Investment (Rs. crore)
26.	Dadra and Nagar Haveli	
27.	Maharashtra	27981.82
28.	Andhra Pradesh	12370.06
29.	Karnataka	8433.45
30.	Goa	627.07
31.	Lakshadweep	9.40
32.	Kerala	7020.70
33.	Tamil Nadu	10988.66
34.	Pondicherry	499.60
35.	Andaman and Nicobar	42.15
	All India	154348.94

Launching of satellites for space mission

2026. SHRI S. ANBALAGAN: Will the PRIME MINISTER be pleased to state:

(a)the details of satellites launched during each of the last three years and the expenditure incurred therefor;

(b)whether these satellites are functioning as envisaged;

(c)if so, the details thereof including benefits accrued to the country so far, satellite-wise;

(d)if not, the reasons therefor and the loss incurred thereon, satellite-wise;

(e)whether any space mission including launch of satellites is planned for near future; and

(f) if so, the details thereof?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI PRITHVIRAJ CHAVAN): (a) The satellites launched during last three years and the expenditure incurred thereof is as below:

(Rs. in Crores)

Satellite	Launch Date	Expenditure
METSAT-1 (KALPANA-1)	12.09.2002	155.00
INSAT-3A	10.04.2003	611.00
GSAT-2	08.05.2003	168.50
INSAT-3E	28.09.2003	569.00
RESOURCESAT-1	17.10.2003	221.58
GSAT-3(EDUSAT)	20.09.2004	235.00
CARTOSAT-1	05.05.2005	328.49
HAMSAT	05.05.2005	3.00

(b) Yes, Sir.

(c) KALPANA-1: is an exclusive meteorological satellite and is working satisfactorily. Fifteen Very High Resolution Radiometer (VHRR) pictures are being commanded everyday from the satellite. It is used for generating Meteorological data for weather forecasting including cyclone prediction.

INSAT-3A: is a multi-purpose satellite for communications and weather forecasting and is providing operational services satisfactorily since more than two years. It is used for VSAT communications, digital news gathering, telemedicine for rural/remote areas and weather forecasting applications.

GSAT-2: is a communication satellite and is working satisfactorily. It is used by various Government agencies.

INSAT-3E: is a communication satellite and is providing operational services satisfactorily. It is used by Doordarshan, ONGC & DOT for telecommunication applications.

RESOURCESAT-1: is a remote sensing satellite used for natural resoruce management applications including agriculture, forestry, land use, water resource management etc. The satellite is working satisfactorily and the imageries provided by the satellite are operationally received and processed at Hyderabad. The imageries are also made available for global users on commercial basis.

GSAT-3(EDUSAT): is a dedicated communication satellite for Educational prupses and is working satisfactorily. It is used by universities, technical institutions and schools for providing high quality education.

CARTOSAT-1: is a remote sensing satellite for cartographic mapping applications including land cover/land use map preparation and urban mapping applications. The satellite is working satisfactorily and the imageries provided by the satellite are operationally received and processed at Hyderabad.

HAMSAT: is an application specific micro satellite and is used for providing satellite based radio amateur services worldwide. The satellite is working satisfactorily and is being used by many radio HAMs all over the world.

(d) Does not arise.

(e) Yes, Sir.

(f) During the Tenth Plan, the following projects/missions have been approved and are at various stages of progress:

INSAT-4A; INSAT-4B; INSAT-4C; INSAT-4D; GSAT-4; INSAT-3D; CARTOSAT-2; SRE; OCEANSAT-2; RISAT; ASTROSAT and Chandrayan.

Design of spacecraft for Chandrayan-1

2027. SHRIMATI N.P. DURGA: Will the PRIME MINISTER be pleased to state:

(a) whether it is a fact that the spacecraft basline design for Chandrayan-1 has been finalized;